

DERWENT-ACC-NO: 1993-236374

DERWENT-WEEK: 200426

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TITLE: **Boswellia** acid or its derivs. or plant extracts - for prophylaxis and therapy of inflammations caused by increased leukotriene formation, e.g. rheumatism, **psoriasis**

INVENTOR: AMMON, H P; SAFAYHI, H ; SINGH, G ; AMMON, H P T ; SINGH, G B

PATENT-ASSIGNEE: AMMON H P T[AMMOI] , AMMON H P[AMMOI]

PRIORITY-DATA: 1992DE-4201903 (January 24, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 4201903 B4	April 15, 2004	N/A	000	A61K 031/19
EP 552657 A1	July 28, 1993	G	010	A61K 031/215
DE 4201903 A1	July 29, 1993	N/A	016	A61K 031/56

DESIGNATED-STATES: AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

CITED-DOCUMENTS: 5.Jnl.Ref; WO 9100937

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 4201903B4	N/A	1992DE-4201903	January 24, 1992
EP 552657A1	N/A	1993EP-0100398	January 13, 1993
DE 4201903A1	N/A	1992DE-4201903	January 24, 1992

INT-CL (IPC): A61K031/19, A61K031/215 , A61K031/56 , A61K035/78 , A61P001/00

ABSTRACTED-PUB-NO: EP 552657A

BASIC-ABSTRACT:

Pure Boswellia acid, one of its physiologically acceptable salts, derivs. or salt of derivs. or a plant prepn. contg. boswellia acid can be used for the prophylaxis and/or therapy of inflammations caused by increased leukotriene formation in human and veterinary medicine.

USE/ADVANTAGE - The **boswellia** acid cpds. are esp. effective against diseases of

the joints (rheumatism), epidermal lesions (psoriasis), allergic and chronic asthma, endotoxin shock, inflammations of the intestines (colitis ulcerosa, Morbus Crohn) and chronic hepatitis. The boswellia acid cpds. selectively influence inflammations by inhibiting leukotriene synthesis. They can be used to replace steroidal antirheumatic drugs and can be used for prlonged periods without causing side effects, esp. the effects on the metabolic and hormone systems caused by steroidal antirheumatics. The boswellia acid preps. can be taken intraperitoneally, orally, buccally, rectally, intramuscularly, topically, subcutaneously, intraarticularly or intravenously. IC50 values for 5-lipoxygenase are 5uM for beta-boswellia zcid, 11-keto-beta-boswellia acid and alpha-boswellia acid, 7 micro-M for acetyl-boswellia acid and acetyl-alpha-boswellia acid and 2 micro-M for acetyl-11-keto-beta-boswellia acid

CHOSEN-DRAWING: Dwg.0/4

TITLE-TERMS: ACID DERIVATIVE PLANT EXTRACT PROPHYLACTIC THERAPEUTIC
INFLAMMATION CAUSE INCREASE LEUKOTRIENE FORMATION RHEUMATISM
PSORIASIS

DERWENT-CLASS: B05

CPI-CODES: B09-B; B12-A01; B12-A07; B12-D02; B12-D09; B12-G01; B12-G02;
B12-K01; B12-K02;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

G033 G038 G039 G060 G820 H4 H401 H461 H8 J0

J011 J1 J151 M210 M211 M240 M283 M320 M415 M510

M520 M530 M541 M630 M640 M650 M781 M903 M904 P423

P431 P714 P721 P822 P943

Ring Index

06384

Markush Compounds

199330-05501-U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1993-105294